

Membership Application
PIKES PEAK RADIO AMATEUR ASSOCIATION

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Ø BEAT

OCTOBER 1984



**COLORADO SPRINGS,
COLORADO**

Frank Drake KL7IPV
4964 Harvest Lane
Colorado Springs, CO 80917

FIRST CLASS MAIL

6 pages



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Board Member	• Doc Cornell WØMCT 721 Lansing Dr. 80909	596-4216

ZERO BEAT is published monthly in the interest of the the members of the Pikes Peak Radio Amateur Association Inc., Colorado Springs, Colorado. Permission is given to reprint articles or excerpts provided credit is given. Deadline for submission of articles is the 21st of the month. Classifieds accepted anytime.

The Pikes Peak Radio Amateur Association meets on the second Wednesday of each month at Giuseppe's Depot Restaurant at 10 S. Sierra Madre at 7:30 p.m. All amateurs and interested parties are invited to attend.

Editor: Frank Drake KL7IPV, 4964 Harvest Rd, Colorado Springs, CO 80917 597-2406

COMPUTER CORNER

FROM THE DESK OF YE OLDE EDITOR

I have received a program, in Basic, for figuring great circle bearings. The program was sent to me by D. Scott Thompson - KB6CC. Scott is the Ass't Director, Pacific Division, ARRL. He was in attendance at our club meeting at which Malcolm presented the program. Scott sent the program and was impressed with the program and out club. He heard my "plea" for articles and responded. The program is from an Apple III. I haven't loaded it yet so I have no program for this month. When I get Scott's program loaded, it'll probably have to be run over two months issues. I find that a 3 - 4 K program is about the right length for a page. If anyone else runs a Kaypro, there is a company in Boise that has a RTTY software program for sale. I've sent for more info. If anyone is interested, let me know and I'll let you know when I get the info. I have built a RTTY decoder and encoder out of Radio Shack's 2211 & 2206 chips. It is working but I need the software program to convert it from garbage and fits in a Radio Shack box 2"x4" X4" nicely. Total cost was about \$20! Not a bad deal. Next month I will be running a questionnaire about the interests of the members. It might help others if we had an idea of who was interested in what. It would also help me to know what computers are in use and if they are in use with the hobby (RTTY, Packet, ASCII, etc.). I get many catalogues for computer type supplies. Most haven't anything for my machine, but may have for yours. If you are looking for ribbons, discs, paper, or whatever, let me know and I'll get a copy of a catalogue to you. They are from INMAC, LYBEN, and MISCO. I'll loan them out but need to retain them for others who may want to see them. Thats it for this month. Bring any articles or programs to the meeting for my use in the newsletter. 73 'til next month. Frank KL7IPV

IF YOU FIND MISTAKES? ? ? ? ?
in this publication, please consider
the fact that they are there for a
purpose. We publish something for
everyone and, some people are.....
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***** 2

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October '84
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BOARD MINUTES BOARD MINUTES BOARD MINUTES BOARD MINUTES BOARD MINUTES

The September meeting of the Board of Directors for the PPRAA was held on Sept. 17 at Frank's (KL7IPV). The meeting was called to order by the President, Al; NØCMW, at 7:41PM. Those present were; Frank, Al, Bill; KQØH, Doc; WØMCT, Mike; KØTER, Mark; NØEPF. Charlie; KCØTI, was present as a visitor. The Secretary has notified the President that he would be late, therefore; the minutes will be recorded by Frank.

The discussion was concerning the following:

1. VE Program. Al sked how involved the PPRAA should get in the VE program. The board concensus was that the PPRAA will provide support as requested.
2. Golf Acres. Al had a letter addressed to the club that the board felt would be appropriately read at the next general membership meeting.
3. Hill Climb. PPRAA has 4 volunteers to work the Pikes Peak Hill Climb next July 13th, 1985. Doug Maloney, Joe Quintana, Charlie Biggs, and Doc Cornell. Board recommends the club in the hill climb be furnishing spotters and the necessary communications.
4. Meetings. The subject of timing during the general membership meetings was brought up. Whether the business or program should take the first segment of the meetings was in question. No board action was taken due to a motion that brings the action to the floor in the October meeting.
5. Zero Beat cost. The club realizes approx. \$126 income monthly from ads and dues. The cost of the newsletter is approx. \$20 for mailing 107 copies. The September issue cost \$140 for printing. Mike moved that the Zero Beat to remain the same as it is and to be monitored to keep it from getting out of in size and cost. Second by Doc. Passed unanimously. The editor was asked to find better printing pricing if possible.
6. Programs. Mike suggested that Malcolm, KE9S, be asked to present part 2 of the packet program, possibly for November. December wil the homebrew and Christmas party. January we will try to get Ed Means, WØVO, for an Oscar program. February was suggested by Frank to be the time that the winner give a program on the design and construction of the winning homebrew project. The rest of the year is open to other suggestions.
7. Insurance. \$128 is due to State Farm for the annual liability insurance. Bill moved that the PPRAA obtain the ARRL insurance. The cost is approx. the same. Doc seconded. Passed unanimously.
8. Nominations. The nominations were:
Pres.: Al; NØCMW, Mike; KØTER
V.P.: Mike; KØTER, Al; NØCMW
Sec'y: Mark; NØEPF
Tres.: Les; KCØNC
Board Member: Oak; KØROL, Bud; WØDDF
Further nominations will be open from the floor in the Oct. meeting.
Being no further business, meeting was adjourned at 9:09PM.

Respectfully submitted,

Frank, KL7IPV

The next board meeting of the PPRAA will be held at ?? house on Oct. 15th.

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MEETING MEETING MEETING MEETING MEETING MEETING MEETING MEETING
 The next regularly scheduled meeting of the Pikes Peak Amateur Radio Club will be on Wednesday, the 10th of October, at Giuseppe's Train Depot at #10 South Sierra St. The meeting commences at 7:30 PM. This month will be election month. Now is the time for all those who felt left out to voice their choices and VOTE! If you have a favorite candidate, announce it and lets all be there to VOTE!

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Follows is a copy of the letter to show
 PPRAA support for the ARES.

The ARRL Amateur Radio Emergency Service (ARES) has a proven ability to handle emergency communications and traffic in times of crisis. They have shown support of public service communication efforts either through actual involvement or member support. The membership of ARES in the Pikes Peak region is primarily made up of members of the Pikes Peak Radio Amateur Assoc.

The PPRAA recognizes that ARES is not affiliated with ARRL or other local organization. Therefore; the Board of Directors and members of the PPRAA find it seemly to extend their moral support to the ARES District 14 organization and, in times of need, the PPRAA will also support ARES in such capacities as deemed appropriate by the PPRAA leadership.

From " GATEWAY " The ARRL Packet-Radio Newsletter. Premier issue August 14, 1984
 Voice nets concerning packet radio. The following voicenets are devoted to discussion of packet radio. (Ed. note- I've listed just the national nets, there are more listing for 2 meters.)

DAY	TIME	FREQUENCY	COVERAGE	SPONSOR
Tue.	2200 EDT	3.850	National	AMSAT
Sun	1900 UTC	14.235	National	TAPR
Sun	2100 UTC	7.158	National	TAPR
Sun	0800 EDT	3.958	National	FADCA
Sun	1500 CDT	7.158	Central U.S.	CITS



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RAMBLINGS

October '84
\$ Best

FROM AROUND THE WORLD OF AMATEUR RADIO

From the October, 1984 issue of WORLD RADIO. This newspaper is available subscription from Worldradio, 2120 28th St., Sacramento, CA. 95818. \$10 yr.

The site of the 1984 Olympic Soccer matches - Sanford University., Palo Alto, California - became the first use of Packet Radio during an olympic event.

The Los Angeles Olympics Organizing Committee (LAOOC) was having a problem with messages being taken from a Centrex telephone system that had 60 telephones that would ring back to a central point when busy or rang five times. Complicating the problem, the message center was located two miles from the place the messages needed to be delivered.

The Palo Alto Area Chapter of the American Red Cross, already involved in the Sanford LAOOC operation by supplying 20 first aid volunteers and 11 Amateur Radio operators to coordinate communications/technology within the venue, had another problem to solve.

When the subject of hard-copy messages via point-to-point radio circuit was first discussed with the message center personnel, loud cries could be heard: " We don't know how to run computers," " We don't want a complicated system, and " How much will it cost?" When told this was an experiment and they did not have to pay anything, they seemed resigned that this group of radio amateurs was willing to do almost anything to solve problems. After all, the LAOOC had agreed to a 60 foot portable tower trailer, KT-34. wire dipoles for 40 and 80, to be located inside the security fence in the administrative area, the purchase of 78 Icom 2AT's and the large Red Cross van with the 2kW amplifier (for K840G) that selectively chewed up telephones in a radius of 500 feet. What was one more crazy idea!

The Packet system consisted of stock Kenwood TM-201's, Tucson Packet boards, and Texas Instruments Silent 700 hard-copy devices. Simple 2-meter inter-wave magnetic mounts were used for antennas. Four frequencies for the HT's and packet system just outside the 2-meter amateur band were obtained through the cooperation of the Department of Defense to avoid any conflict of using Amateur Radio for " commercial purposes. " Once installed, and after a five minute training session, the system worked almost flawlessly until one day the personnel secretary came over to the Red Cross van and said, " I thought you said this thing worked. Well, its broken, and hurry up and fix it because we depend on it!"

Wait a minute! This was an experiment... no amount of talk was going to be sufficient. The board was substituted, and the system ran 24 hours per day for 11 days. Over 1,300 messages were sent and recieved, hours were saved by not having to shuttle handwritten messages over a distance of two miles thru-on game days- as many as 80,000 people going to the games. Packet Radio, indeed, helped solve a problem at the 1984 Sanford, California Olympics. P.S. If you sent an S.A.S.E. for working K840G, W840G or W230G, be patient! Over 12,000 QSO's were made, cards are being worked on. -Ted Harris, N6IIU, Disaster Director, Palo Alto Chapter, American Red Cross.

Ed note: thanks to Malcolm, KE9S for the Worldradio newspaper for excerpting in the newsletter.

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USED EQUIPMENT

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